Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO 1004-0135
Expires November 30, 2000

NOV 20 2007
OCD-ARTESIA

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

5 Lease Serial No
NMNM070522A

6 If Indian, Allottee or Tribe Name

7 If Unit or CA/Agreement, Name and/or No.

1 Type of Well
[ ] Oil Well [X] Gas Well [ ] Other

8 Well Name and No
Indian Basin 25 #2 Federal

2. Name of Operator
OXY USA WTP Limited Partnership

9. API Well No
30-015-34025

3a. Address
P.O. Box 50250, Midland, TX 79710-0250

3b Phone No (*include area code*)
432-685-5717

10 Field and Pool, or Exploratory Area
Indian Basin Morrow

4. Location of Well (*Footage, Sec., T, R, M, or Survey Description*)
SL-1075 FSL 2025 FEL SWSE(O) Sec 25 T21S R23E
BHL-661 FSL 1992 FEL SWSE(O) Sec 25 T21S R23E

11 County or Parish, State
Eddy NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
[ ] Notice of Intent	[ ] Acidize	[ ] Deepen	[ ] Production (Start/Resume)	[ ] Water Shut-Off
[X] Subsequent Report	[ ] Alter Casing	[ ] Fracture Treat	[ ] Reclamation	[ ] Well Integrity
[ ] Final Abandonment Notice	[ ] Casing Repair	[ ] New Construction	[ ] Recomplete	[X] Other Completion
	[ ] Change Plans	[ ] Plug and Abandon	[ ] Temporarily Abandon	
	[ ] Convert to Injection	[ ] Plug Back	[ ] Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

See Attached

14 I hereby certify that the foregoing is true and correct
Name (*Printed/Typed*)
David Stewart

Title
Sr. Regulatory Analyst

Date 11/19/07

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U S C Section 1001, and Title 43 U S C Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

Indian Basin 25 Federal #2

DATE	Remarks
4/6/07	MI RU Reverse Unit. Rack and tally 310 jts 2 3/8 L-80 tbg (trucker tally= 9889.65) Waited 5 hrs on mechanic to repair broken pulling unit. RU PU SION
4/7/07	0 pressure on well RIH with 6 1/8 used bit - bit sub - 6 3 1/8 od drill collars - top sub on 100 jts 2 3/8 tubing to 3364'. Displace mud from hole with 143 bbls. 6% KCL water. RIH with 100 joints(200 total) to 6527'. Displace mud with 143 bbls. 6% KCL water. RIH and tag up on joint #249 at 8058'. (224' high)Secure well. SD
4/10/07	0 pressure on well Rig up to drill out cement. Test 7' csg. To 1000#. Held. Clean out cement from 8058' to TOL at 8272'(224'). CHC. Test liner top to 1000#. Held. POOH with 256 joints 2 3/8 tubing - 3 1/8 drill collars and 6 1/8 bit Rih with 3 3/4 bit - bit sub - 6 3 1/8 drill collars top sub on 9 stands 2 3/8 tubing. Secure Well. SD due to wind.
4/11/07	0 pressure on well. Continue to RIH with3 3/4 bit - drill collars and tubing. Tag up at 8272' Hook up to drill Establish circulation. Drill cement from 8272' to 8285'(13'). RIH to 8344'. CHC. Test to 1000#. Held. POOH laying down 4 joints 2 3/8 on racks.(8221'). Secure Well. SD due to wind.
4/12/07	0 pressure on well. RIH and tag up at 9565'. Rig up swivel. Establish circulation. Clean out from 9565' to 9639'.(74'). CHC Test casing to 1000#. Held. Displace hole with 340 bbl. 6% KCL water. POOH with 299 joints 2 3/8 tubing. Lay down drill collars. RIH with 3 3/4 bit - 4 1/2 casing scraper on 305 joints 2 3/8 tubing to 9639' POOH laying down 5 joints tubing on racks. Stand 20 stands in derrick.(8222'). Secure Well. SD.
4/13/07	0 pressure on well. Finish POOH with 130 stands 2 3/8 tubing. Lay down bit and scraper. RIH with Baker dress off mill for 4 1/2 liner top on 262 joints 2 3/8 tubing. Hook up swivel. Dress off liner top. Rig down swivel. POOH with 262 joints 2 3/8 tubing and dress off mill. Nipple down BOP. Install Frac Valve and BOP. Secure Well. SD.
4/14/07	0 pressure on well. Rig up Halliburton wireline truck. RIH w/CBL tool and log well from 9634'(wireline depth) to 4100'.(top of cement ?)POOH with CBL. Bond showed good to fair bond except from 8750 to 8272 (poor). RIH with 3 1/8 od peforating gun loaded with 25 gr. Millenium charges(.45 entry hole - 27" pent.) and shot the "Morrow" formation from 9490-98, 9522-30, 9573-76, 44 holes @ 2 SPF. POOH and rig down Halliburton. Secure Well. SD.
4/17/07	Rig up Halliburton. Frac the "Morrow" formation with 42,000 gal of CO2 Foam consisting of 40# Water Frac CMHPG and 70% CO2 carring 38,000# Versa prop at 40 BPM. Max press = 5488# Avg. press = 4653#. Max Rate = 42.2 bpm, Avg Rate = 13 bpm. Total CO2 115 downhole, 9 tons cool down. ISIP = 4743#. 15min SIP= 4038. Flush Frac to Formation. Spotting 2,000 gal. 7.5% HCL acid across Strawn formation. Total Load 237 bbls. SI well leaving pressure on well. Rig down Halliburton and Stinger. Rig up Halliburton wireline w/ full luibrator and grease. RIH with 4 1/2 composit BP - 3 1/8 od perf gun and collar locator. Corrolate BP on depth and set at 9210'. Bled pressure from 3539# to 2700#. BP held OK. Corrolate gun on depth and shot the "Strawn" formation with 27 gr. Millenium charges (.45 EH -- 27" pent.)@8814-8824 (22 holes) POOH with wireline and RD wireline truck. Hook up Stinger and Halliburton and Frac the "Strawn" formation with 16,000 gal. of CO2 Foam consisting of 40# Water Frac CMHPG and 70% CO2 carrying 12,000# Versaprop. Max Press = 5551# Avg press 5221#. Max Rate = 37.5 bpm Avg rate = 23.8. used 70 TONS CO2 downhole w/ 5 tons cooldown. ISIP=4198# 15min 3795# Flush to top perf. TBLWTR + 284 bbls.Close well in. RD Halliburton and stinger. Opens well to Flowback tank @ 7:00 pm on 10/64 choke w/ 3825# pressure. At 6:00 am flowing press 2500# on 14/64 choke. Total recovered 35 bbls. Lack 249 bbls load. Con't backflowing.
4/18/07	Con't backflowing well. At 6:00 am 4-18 flowing press= 650# (press holding between 700# and 650# for last 18 hrs) CO2count +10%. Flowing well on 14/64 choke. Rec'd 28 bbls load. TBLWTR = 221. Con't backflowing well.
4/19/07	Well flowing at 650# on 14/64 choke. Close well in at 7:00 am. to let sand settle. Wait on Halliburton till 11:00 am. Rig up Halliburton Wireline truck . RIH with Junk Basket and 3.750 gauge ring. Could not get gauge ring into liner top. POOH had sand in junk basket. RIH with 3 1/8 sinker bar. Could not work into liner top. POOH. Rig down Halliburton. Secure Well. SD.
4/20/07	750# SICP. Rig up Pro Slick line truck. RIH with 1 3/4" bailer on slick line. Tag up at 8190'(82' above TOL). Work bailer and POOH. Empty sand from bailer. RIH with Pressure bomb to 8180'. POOH with bomb. Rig down Pro. Secure Well. SD till Monday due to Halliburton cancelling job for today..
4/23/07	Shut down. Wait on Halliburton. Report for 4-20-2007
4/24/07	950#SICP. RU Halliburton coil tubing unit. RIH with Baker 3 3/4od cutrite mill on mud motor. Clean out sand to Composit BP at 9210'. Drill out composite BP in 55 minutes. RIH and clean out to 9643'. CHC POOH to liner top. Cir hole for 30 minutes. Pump 5 bbls water. Drop ball Circulate nitrogen to surface. Close well in and pressure up to 1000#. POOH and RD Halliburton. Secure well. SD.
4/25/07	1450# on csg. RU Halliburton grease equipment. RIH with junk basket and 3 750 gauge ring to 8780'. POOH with junk basket and gauge ring. RIH with 2 3/8 WLEG-1.81 F-nipple-4'x2 3/8 tbg sub-4 1/2 Baker EL Hornet packer,on/off tool w/ 1.875 F Nipple setting tool and collar locator. Corrolate packer on depth and set at 8725'. POOH with setting tool. RD Halliburton. SICP 1450#. Bleed pressure off to flow back pit Secure well. SD because of wind.
4/26/07	50# on casing. Bleed off pressure. RIH with Retrieving head for packer with 1.87 profile on 275 joints 2 3/8 tubing. Space Well out. Latch onto packer Load backside with 280 bbls. 6% KCL water. Test packer to 500#. Held. Nipple down BOP and Frac Valve. Tree Well up. Swab well down to 5000' Rig up Pro slickline truck. RIH and retrieve equalizing prong and plug in 2 runs Rig down Pro SITP 850#. Open well up to flow back pit on 28/64 choke w/ 850# press.at 4:00 PM. Flowed well for 14 hrs to flowback tank. At 6.00AM FTP= 150#, Choke 28/64 Gas rate 709.5 MCFD. Rec'd 93 bbls wtr. Con't flowing
4/27/07	Open choke to full to try to unload wtr Well died. SI @ 8:00m am for 2 hrs. TP built to 700# Flowed well on 10/64 choke for 20 hrs w/ FTP @ 400#. Gas rate = 221 MCFD. Rec'd 38 bbls wtr Cont flowing well RD pulling unit, started off location and unit broke (rear end) Will have repaired at 2 00 PM today Will move to Righthand Canyon 34-1 Moved ad set reverse unit and tank
4/28/07	Flowed well for 24 hrs At 6 00 AM FTP 280# on 16/64 choke. Gas rate 411.6 MCFD. Rec'd 46 bbls wtr CO2 @ +10%. Cont flowing.

4/29/07 Flowed well for 24 hrs.on different choke sizes SI well and let press build to +_ 700#. Open well after SI and it would take 2 hrs to get fluid to surface Found that 14/64 choke would unload wtr best. At 6:00 AM FTP=320# on 14/64 choke W/ gas rate of 357 MCFD.

4/30/07 Flowed well for 24 hrs on 14/64 choke. FTP 320# to 380#. Gas rate @ 6:00 AM 424 MCFD. Rec'd 30 bbls wtr. CO2 @ 8%. Con't flowing well

5/1/07 Flowed well for 24 hrs on 14/64 choke with FTP between 350# & 400#. Gas rate at 6:00 AM 424 MCFD. Rec'd 21 bbls wtr. Con't flowing well.

5/2/07 At 7:00 AM open choke to 20/64. At 1:00 PM, FTP= 200# Gas rate 468 MCFD w/ no fluid rec'd. Open choke to 24/64 and flowed till 7:00PM. FTP=90# to 200#. Gas Rate 210 to 468 MCFD, Rec'd 13 bbls wtr. At 8:00 PM open choke to 28/64 and flowed till 6 00 AM. FTP = 95# to 200#. Rec'd 7 bbls fluid. CO2 level @ 6%. Con't flowing well.

5/3/07 At 6:00 AM choke 28/64 FTP=95#, Rate 223. At 12:00 noon closed choke to 24/64. TP=90# Rate=306 MCF made 6 bbls wtr last 6 hrs. At 4.00 PM FTP=100# on 24/64 choke w rate 340 MCFD. Last 4 hrs made 3 bbls wtr. SHUT IN well at 4.00 PM 5-2-07 for buildup.

5/4/07 0 SITP that was reported yesterday was in error. Correct SITP = 1775. Open well on full 1" manifold valve. Tbg press dropped to 0 in 7 mins. Started unloading fluid. Rec'd 3 bbls. Press built to 300# after fluid unloaded. Closed choke to 48/64 and TP built to 200#. Flowed well till 5:00 PM. Shut well in with 60# FTP, gas rate 869 MCFD. Had not made any more fluid.

5/5/07 SITP=1500#. Open well on 48/64 choke for 5 hrs. Rec'd 3 bbls fluid. CO2 7%. Shut well in for weekend. Will change out flowback hands. No report receivd.

5/7/07 SITP=1975#

5/8/07 SITP=1975#. open well up on 36/64 choke. Flowed well for 24 hrs . FTP @ 6:00 AM 110# Gas rate = 881 MCFD. Rec'd 56 bbls wtr. CO2 @ 6%

5/9/07 Flow well for 24 hrs on 36/64 choke. Gas Rate = 801 MCFD. Rec'd 30 bbls fluid. CO2 = 5%. Con't flowing. SI Well, W/O PL.

9/12/07 Put Well On Line

	OIL	WTR	GAS	TBG
9/12/07	1	15	204	66
9/13/07		14	202	65
9/14/07		11	200	66
9/15/07		12	198	67
9/16/07		25	196	67
9/17/07		9	193	69
9/18/07		11	191	65
9/19/07		10	188	66
9/20/07		10	186	66
9/21/07		9	183	66
9/22/07		10	180	68
9/23/07		10	178	68
9/24/07			176	65
9/25/07		9	174	67
9/26/07		9	174	66
9/27/07		8	172	66
9/28/07		9	171	66
9/29/07		9	169	70
9/30/07		18	168	66
10/1/07		2	166	66
10/2/07		10	165	65
10/3/07		7	165	68
10/4/07		8	164	62
10/5/07		8	163	62
10/6/07		16	162	62
10/7/07		25	161	62
10/8/07		9	158	60
10/9/07		8	158	64
10/10/07		6	157	32
10/11/07		8	156	63
10/12/07		8	155	60
10/13/07		15	154	59
10/14/07		9	153	60
10/15/07		8	150	60
10/16/07		7	150	58
10/17/07		6	149	58
10/18/07		7	148	60
10/19/07		7	147	60
10/20/07		7	146	59
10/21/07		14	145	59
10/22/07		5	137	91
10/23/07		2	129	122
10/24/07		5	146	81
10/25/07		4	141	81
10/26/07	4	4	139	88
10/27/07		7	137	55
10/28/07		6	135	54
10/29/07	1	6	137	59

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☒ AMENDED REPORT

API Number	Pool Code	Pool Name
30-015-34025	78960	Indian Basin Morrow Gas Pool

Property Code	Property Name	Well Number
	INDIAN BASIN 25 FEDERAL	2

OGRID No.	Operator Name	Elevation
192463	OXY USA WTP LP	3798'

Surface Location

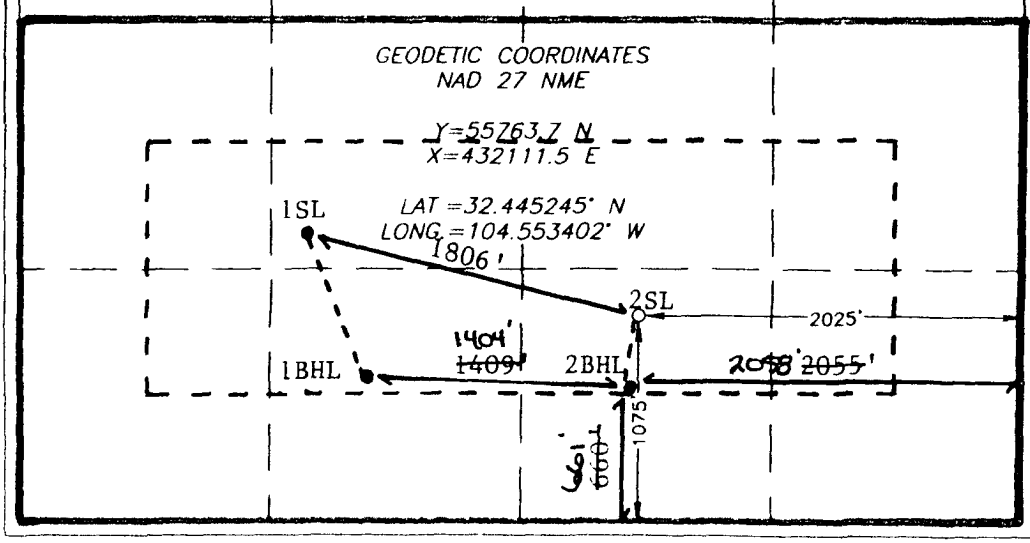
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	25	21-S	23-E		1075	SOUTH	2025	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	25	21S	23E		~~660~~ 661	South	~~2055~~ 2058	East	Eddy

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320	Y		

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature 12/8/06 Date

David Stewart-Sr.Reg Analyst
Printed Name

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

JUNE 21, 2006
Date Surveyed MR

Signature & Seal of Professional Surveyor

Ronald J. Eidson 6/28/06
06.11.1067

Certificate No. GARY EIDSON 12641
RONALD J. EIDSON 3239

Survey Report

Report Date:	March 23, 2007	**Survey / DLS Computation Method:**	Minimum Curvature / Lubinski
Client:	OXY	**Vertical Section Azimuth:**	184 130°
Field:	Eddy County, NM	**Vertical Section Origin:**	N 0 000 ft, E 0.000 ft
Structure / Slot:	Indian Basin 25 Federal #F-2 / OXY	**TVD Reference Datum:**	RKB
Well:	Indian Basin 25 Federal # F-2	**TVD Reference Elevation:**	0 0 ft relative to
Borehole:	Indian Basin 25 Federal #F-2	**Sea Bed / Ground Level Elevation:**	0 000 ft relative to
UWI/API#:		**Magnetic Declination:**	8 547°
Survey Name / Date:	Indian Basin 25 Federal #F-2_surveys / February 19, 2007	**Total Field Strength:**	49111 515 nT
Tort / AHD / DDI / ERD ratio:	62.116° / 460 99 ft / 4 459 / 0 048	**Magnetic Dip:**	60 326°
Grid Coordinate System:	NAD27 New Mexico State Planes, Eastern Zone, US Feet	**Declination Date:**	February 19, 2007
Location Lat/Long:	N 32 26 42.882, W 104 33 12 244	**Magnetic Declination Model:**	IGRF 2005
Location Grid N/E Y/X:	N 525763.700 ftUS, E 432111 800 ftUS	**North Reference:**	Grid North
Grid Convergence Angle:	-0 11806532°	**Total Corr Mag North -> Grid North:**	+8 665°
Grid Scale Factor:	0 99991437	**Local Coordinates Referenced To:**	Well Head

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Mag / Grav Tool Face (deg)	Build Rate (deg/100 ft)
ie-In	4640.00	0.59	290.22	4639.76	28.64	-29.71	13.68	32.70	155.28	0.03	280.50M	-0.0
	4655.00	0.80	280.50	4654.76	28.61	-29.66	13.50	32.59	155 53	1.60	244.70M	1.4
	4686.00	0.70	244.70	4685.76	28.68	-29.70	13.12	32.47	156.17	1.52	230.70M	-0 3
	4718.00	0.80	230.70	4717.76	28.93	-29.93	12.77	32.54	156.90	0.65	205.10M	0.3
	4750.00	1.50	205.10	4749.75	29.47	-30.45	12.42	32.88	157.81	2.66	188.10M	2 1
	4781.00	1.90	188.10	4780.74	30.37	-31.32	12.17	33.61	158.76	2.06	186.70M	1.2
	4813.00	2.50	186.70	4812.71	31.59	-32.54	12.02	34.69	159.73	1.88	181.70M	1.8
	4845.00	2.80	181.70	4844.68	33.07	-34.02	11.91	36.04	160.70	1.18	184.70M	0.9
	4876.00	2.80	184.70	4875.64	34.58	-35.53	11.83	37.45	161.59	0.47	191.60M	0.0
	4908.00	2.70	191.60	4907.61	36.11	-37.05	11.61	38.82	162.60	1.08	191.20M	-0.3
	4940.00	2.90	191.20	4939.57	37.66	-38.58	11.30	40.20	163.67	0.63	195.00M	0.6
	4972.00	3.20	195.00	4971.52	39.34	-40.23	10.91	41.69	164.82	1.13	195.50M	0.9
	5003.00	3.40	195.50	5002.47	41.10	-41.96	10.44	43.24	166.02	0.65	191.20M	0.6
	5036.00	3.60	191.20	5035.41	43.08	-43.92	9.98	45.04	167.19	1.00	189.50M	0.6
	5067.00	4.20	189.50	5066.34	45.18	-45.99	9.61	46.98	168.20	1.97	187.60M	1.9
	5099.00	5.10	187.60	5098.23	47 77	-48.56	9.22	49.42	169.24	2.85	7.41R	2.8
	5131 00	5.80	188.50	5130.09	50.80	-51.56	8.80	52.31	170.32	2.20	25.13R	2.1
	5162.00	6.40	191.00	5160.91	54.07	-54.81	8.24	55.43	171.45	2.12	4.84L	1 9
	5194.00	7.30	190.40	5192.68	57.87	-58.56	7.53	59.04	172.67	2.82	HS	2.8
	5226.00	7.80	190.40	5224.41	62.05	-62.70	6.77	63.06	173.84	1.56	28.41R	1.5
	5258.00	8.40	192.60	5256.09	66.52	-67.11	5 87	67 37	175.00	2.11	17.62L	1.8
	5289 00	9.10	191.20	5286.73	71.19	-71.73	4.90	71 89	176.09	2.36	1.91R	2.2
	5321.00	9.60	191.30	5318.30	76.35	-76.83	3 88	76 92	177.11	1.56	9.95R	1.5
	5353 00	10.10	191.80	5349.83	81 78	-82 19	2.79	82.24	178 06	1 59	20.63L	1 5
	5384 00	10.80	190.40	5380.31	87.36	-87.71	1 71	87 72	178.89	2.40	37.50L	2.2
	5416.00	11.00	189 60	5411.74	93.38	-93.67	0.66	93.67	179.60	0.78	22.36L	0 6
	5448.00	11.80	188.00	5443.11	99.68	-99 92	-0.31	99.92	180.18	2.69	46.73L	2 5
	5479.00	12 10	186.50	5473.43	106 09	-106 28	-1.12	106.29	180.60	1.39	39 35L	0.9
	5511.00	12.50	185.00	5504.70	112.90	-113.07	-1.80	113.08	180.91	1.60	55 44L	1 2
	5543.00	12.70	183.70	5535.93	119.88	-120.03	-2.33	120.05	181.11	1 08	90.00R	0.6
	5574.00	12.70	184.80	5566.17	126.70	-126 82	-2 83	126.85	181 28	0.78	90.00L	0 0
	5606.00	12.70	184.70	5597.39	133.73	-133.83	-3.42	133.88	181.46	0 07	123.90R	0.0
	5638.00	12.50	186.10	5628.62	140 71	-140.78	-4.07	140.84	181.66	1.14	113.40R	-0.6
	5669.00	12.40	187.20	5658.89	147.39	-147 42	-4 85	147 50	181 88	0.83	90 00L	-0.3
	5701.00	12 40	186.70	5690.14	154.25	-154 24	-5 68	154.35	182.11	0 34	90.00L	0 0
	5733.00	12 40	186.00	5721 39	161 12	-161 07	-6.44	161 20	182.29	0 47	74 62L	0.0
	5764 00	12 50	184 40	5751.67	167.80	-167.73	-7.04	167 87	182 40	1 16	90 00R	0 3
	5796.00	12.50	184.90	5782.91	174.72	-174 63	-7 60	174.79	182 49	0 34	90.00R	0 0

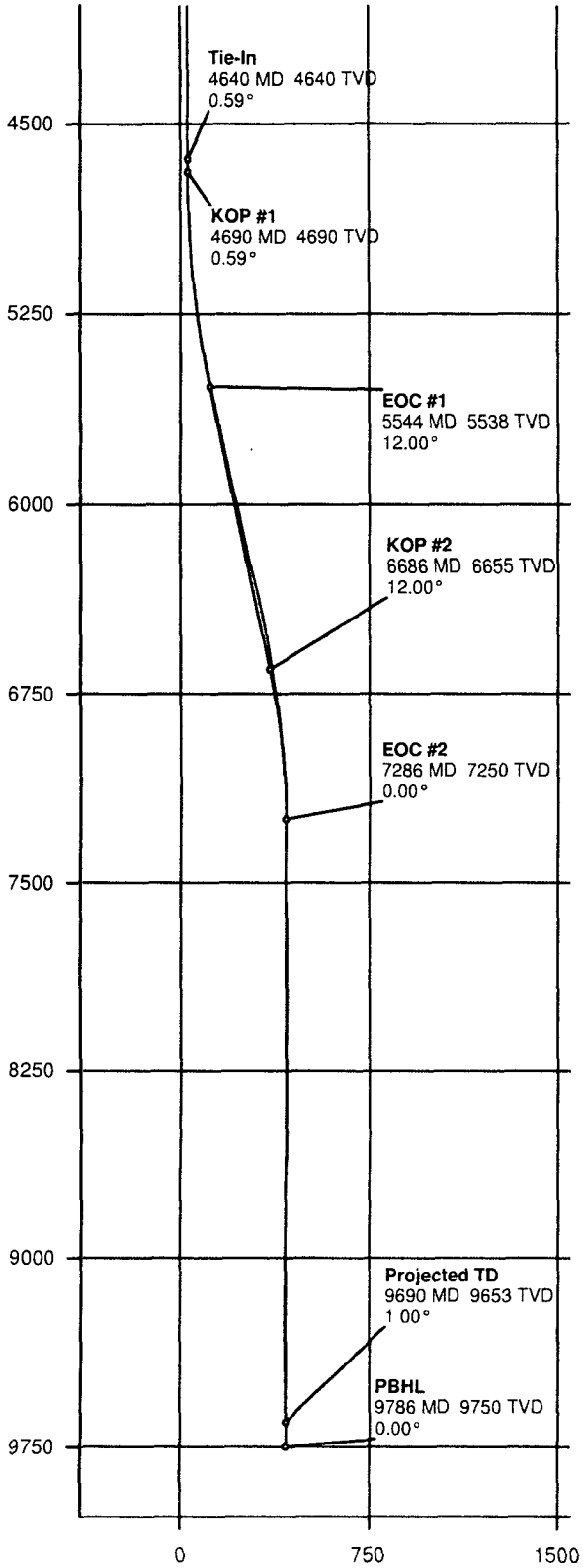
Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Mag / Grav Tool Face (deg)	Build Rate (deg/100 ft)
	5828.00	12.50	185.00	5814.15	181 65	-181.53	-8.20	181.71	182.59	0.07	44.91L	0.0
	5891.00	12.70	184.10	5875.63	195.39	-195.23	-9.29	195 45	182 72	0.44	12.59L	0 3
	5954.00	12 90	183.90	5937.07	209.35	-209 15	-10.26	209.40	182.81	0.33	24.42L	0.3
	6018.00	13.10	183.50	5999.43	223.74	-223.52	-11.19	223.80	182.87	0.34	122.66L	0.3
	6081.00	13.00	182.80	6060.80	237.97	-237.72	-11.97	238.02	182.88	0.30	125.08R	-0.1
	6144.00	12.60	185.50	6122.23	251.92	-251.64	-12.98	251.97	182.95	1.14	84.77R	-0 6
	6208.00	12.70	189.20	6184.68	265.91	-265.53	-14.77	265.94	183.18	1 28	16.63L	0.1
	6271.00	13.40	188.30	6246.05	280.09	-279.59	-16.93	280.11	183.47	1.16	42.14L	1.1
	6334.00	13.80	186.80	6307.29	294.87	-294.28	-18.88	294.88	183.67	0.85	152.10L	0.6
	6397.00	13.20	185.40	6368.55	309.57	-308.90	-20.44	309.58	183.79	1 08	160.66L	-0 9
	6429.00	12.70	184.60	6399.73	316.74	-316.04	-21.07	316.74	183.81	1.66	152.50L	-1 5
	6461.00	12.10	183.10	6430.99	323.61	-322.90	-21.53	323.62	183.82	2.13	163.67L	-1.8
	6493.00	11.30	181.90	6462.32	330.10	-329.38	-21.82	330.10	183.79	2.61	167.33L	-2 5
	6524.00	10.20	180.50	6492.78	335.87	-335.16	-21.94	335.88	183.75	3.65	170.83R	-3.5
	6556.00	9.30	181.40	6524.31	341.28	-340.58	-22.03	341.29	183.70	2.85	152.57R	-2.8
	6588.00	9.00	182.40	6555.91	346.37	-345.67	-22.20	346.38	183 67	1.06	90.00R	-0.9
	6619.00	9.00	184.80	6586.52	351.21	-350.50	-22.50	351.23	183.67	1.21	135.48R	0.0
	6651.00	8.80	186.10	6618.14	356.16	-355.43	-22.97	356.17	183.70	0.89	6.84L	-0.6
	6683.00	9.20	185.80	6649.75	361.17	-360.41	-23.49	361.18	183.73	1.26	125.39R	1.2
	6714.00	9.10	186.70	6680.35	366.09	-365.31	-24.03	366.10	183.76	0.56	44.40L	-0.3
	6746.00	9.30	185.50	6711.94	371.21	-370.40	-24.57	371.21	183.80	0.87	26.13L	0.6
	6778.00	9.40	185.20	6743.51	376.40	-375.57	-25.06	376.41	183.82	0.35	170.20R	0.3
	6809.00	8.70	186.00	6774.13	381.28	-380.43	-25.53	381.28	183.84	2.29	155.81R	-2.2
	6841.00	7.70	189.40	6805.80	385.83	-384.95	-26.13	385.84	183.88	3.47	175.82R	-3.1
	6873.00	6.60	190.10	6837.55	389.80	-388.88	-26.81	389.80	183 94	3.45	161.54R	-3.4
	6905.00	6.40	190.70	6869.35	393.40	-392.44	-27.46	393.40	184.00	0.66	176.91L	-0.6
	6936.00	6.20	190.60	6900.16	396.78	-395.78	-28.09	396.78	184.06	0.65	123.59L	-0.6
	6968.00	6.00	187.60	6931.98	400.16	-399.14	-28.63	400.16	184.10	1.18	41.17L	-0.6
	7000.00	6 20	186.00	6963.80	403.56	-402.51	-29.03	403.56	184.13	0.82	154.74L	0.6
	7032.00	5.70	183.60	6995.62	406.88	-405.82	-29.31	406.88	184.13	1.74	162.93R	-1.5
	7063.00	4.90	186.50	7026.49	409.74	-408.67	-29.56	409.74	184.14	2.72	155.62R	-2.5
	7095.00	4.00	192.50	7058.39	412.21	-411.12	-29.95	412.21	184 17	3.16	168.66R	-2 8
	7127.00	2.70	198.10	7090.34	414.04	-412.92	-30.43	414.04	184.21	4.18	181.80M	-4.0
	7158.00	1.60	181.80	7121.32	415.18	-414.05	-30.67	415.19	184.24	4.03	155.30M	-3.5
	7190.00	0.90	155.30	7153.31	415.85	-414.73	-30.58	415.85	184.22	2.78	91.80M	-2 1
	7222.00	0.80	91.80	7185.31	416.06	-414.96	-30.25	416.06	184.17	2.81	94.60M	-0.3
	7253.00	0.70	94.60	7216.30	416.05	-414.98	-29.85	416.05	184.11	0.34	68.40M	-0.3
	7285.00	0.80	68.40	7248 30	415 96	-414.92	-29 44	415.96	184.06	1.11	68.00M	0.3
	7317.00	1.00	68.00	7280.30	415.74	-414.73	-28.98	415.74	184.00	0 63	106.50M	0.6
	7380.00	1.00	106.50	7343.29	415.62	-414.68	-27.94	415.62	183.85	1.05	171.80M	0.0
	7443.00	0.60	171.80	7406.28	416 06	-415.16	-27.37	416.06	183.77	1.47	170.70M	-0.6
	7507.00	0.90	170.70	7470.28	416.87	-415.99	-27.24	416.88	183.75	0.47	175.60M	0.4
	7570.00	0.90	175.60	7533 27	417.84	-416.97	-27.12	417.85	183.72	0.12	199.00M	0 0
	7634.00	0.90	199.00	7597.26	418.82	-417.95	-27.24	418.84	183.73	0 57	201.60M	0.0
	7697 00	1.20	201.60	7660.25	419.93	-419.03	-27.65	419.94	183.77	0.48	224.50M	0 4
	7760.00	1.20	224.50	7723.24	421.06	-420.11	-28 35	421.07	183.86	0.76	286.60M	0.0
	7824.00	0.70	286.60	7787.23	421.49	-420.48	-29.20	421.49	183.97	1.67	12.50M	-0.7
	7887.00	0 40	12 50	7850.23	421.19	-420.15	-29.52	421 19	184.02	1.24	40.80M	-0.4
	7951.00	0.70	40.80	7914.23	420.66	-419.64	-29.21	420.66	183.98	0.62	22.90M	0.4
	8014.00	0.70	22.90	7977.22	419.98	-418.99	-28.81	419 98	183.93	0.35	44.20M	0.0
	8077.00	0 60	44 20	8040.22	419 37	-418.40	-28 43	419.37	183.89	0.41	53.60M	-0.1
	8141.00	0.20	53.60	8104.22	419 04	-418.10	-28.11	419 04	183.85	0 63	94 90M	-0 6
	8204 00	0 40	94.90	8167.21	418.97	-418.05	-27.80	418.97	183.80	0.45	93 00M	0 3
	8268 00	0.50	93.00	8231.21	418.97	-418.08	-27 30	418.98	183.74	0 16	158 60M	0.1

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Mag / Grav Tool Face (deg)	Build Rate (deg/100 ft)
	8331.00	0.30	158.60	8294.21	419.11	-418.25	-26.97	419 12	183 69	0.74	291.20M	-0 3
	8394.00	0.60	291.20	8357 21	419.16	-418.29	-27.21	419.17	183.72	1.32	273.60M	0 4
	8453 00	0.60	273.60	8416.21	419.07	-418.16	-27.81	419.08	183.80	0.31	285.80M	0.0
	8520.00	0.50	285.80	8483.20	419 02	-418.05	-28.44	419.02	183.89	0.23	306.00M	-0.1
	8570.00	0.50	306.00	8533.20	418.86	-417.87	-28.83	418 86	183.95	0.35	340.10M	0 0
	8633.00	0.40	340.10	8596 20	418.51	-417.50	-29.12	418.51	183.99	0.45	335 50M	-0.1
	8696.00	0.60	335.50	8659.20	418.02	-416 99	-29.34	418.02	184.02	0.32	340.20M	0.3
	8760.00	0.50	340.20	8723.20	417.47	-416.42	-29.57	417.47	184 06	0.17	350.30M	-0 1
	8823.00	0.40	350.30	8786.19	417.01	-415.95	-29.70	417 01	184 08	0.20	351.80M	-0.1
	8886.00	0.40	351.80	8849.19	416.58	-415.51	-29 77	416.58	184.10	0.02	339.80M	0.0
	8949.00	0.50	339.80	8912.19	416.11	-415.04	-29.89	416.11	184.12	0.22	357.80M	0.1
	9013.00	0.70	357.80	8976.19	415.47	-414.39	-30.01	415.47	184.14	0.43	355.80M	0.3
	9077.00	0.90	355.80	9040.18	414.58	-413.49	-30.06	414.58	184.16	0.32	354.00M	0 3
	9140.00	1.10	354.00	9103.17	413.50	-412.40	-30.16	413.50	184.18	0.32	132.40M	0.3
	9203.00	0.10	132.40	9166.17	412.94	-411.83	-30.18	412.94	184.19	1.87	246.90M	-1.5
	9266.00	0.40	246.90	9229.17	413.07	-411.96	-30.34	413.07	184.21	0.72	330.80M	0.4
	9329.00	1.00	330.80	9292.16	412.71	-411.56	-30.81	412.72	184.28	1.65	267.30M	0.9
	9392.00	0.60	267.30	9355.16	412.29	-411.10	-31.41	412.30	184.37	1.44	167.10M	-0 6
	9455.00	1.00	167.10	9418.15	412.86	-411.65	-31.62	412.86	184.39	1.99	176.20M	0 6
	9519.00	1 60	176.20	9482.14	414.28	-413.09	-31.43	414.28	184.35	0.99	262.30M	0.9
	9582.00	0.50	262.30	9545.13	415.21	-414.00	-31.65	415.21	184.37	2.61	282.30M	-1.7
	9653.00	1.00	282.30	9616.12	415.18	-413.91	-32.56	415.19	184.50	0.78	---	0 7
Projected TD	9690.00	1.00	282.30	9653.12	415.09	-413.77	-33.19	415.10	184.59	0.00	---	0.0

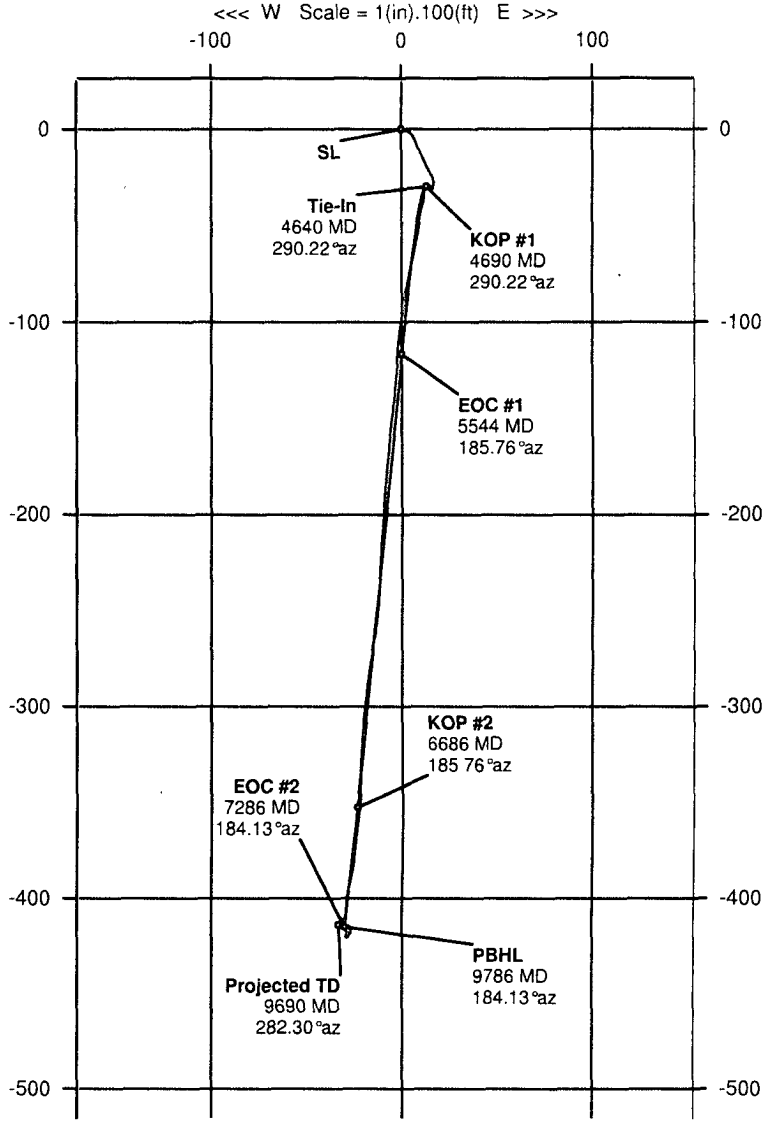
OXY

WELL	FIELD	STRUCTURE
Indian Basin 25 Federal # F-2	Eddy County, NM	Indian Basin 25 Federal #F-2

Magnetic Parameters				Surface Location				Miscellaneous			
Model	IGRF 2005	Dip	60.326°	Lat	N32 26 42.882	Northing	525763.70 ftUS	Slot	OXY	TVD Ref	RKB (0.00 ft above)
		Mag Dec	+8.547°	Lon	W104 33 12.244	Easting	432111.80 ftUS	Plan	Indian Basin 25 Federal #F-2		February 19, 2007
		Date	February 19, 2007			Scale Fac	0.999914369				
		FS	49111.5 nT								



Vertical Section (ft) Azim = 184.13°, Scale = 1(in):750(ft) Origin = 0 N/-S, 0 E/-W



INTREPID
Directional Drilling Specialists

Scientific Drilling

OCCIDENTAL PERMIAN LTD.

Field: Indian Basin
Site: Eddy County, NM
Well: Indian Basin 25 Federal #2
Wellpath: VH - Job #32K0207151
Survey: 02/18/07

This survey is correct to the best of my knowledge
and is supported by actual field data.

.....Company Representative

Notorized this date 4th of April, 2007.

Deborah Sue Bynum
Notary Signature
County of Midland
State of Texas

NOTARY PUBLIC STATE OF TEXAS
DEBORAH SUE BYNUM
Notary Public, State of Texas
My Commission Expires
5/9/08

Scientific Drilling

Scientific Drilling International
Survey Report

Company:	OCCIDENTAL PERMIAN LTD.	**Date:**	03/21/2007	**Time:** 16:45:30	**Page:** 1
Field:	Indian Basin	**Co-ordinate(NE) Reference:**	Site: Eddy County, NM, Grid North		
Site:	Eddy County, NM	**Vertical (TVD) Reference:**	SITE 0.0		
Well:	Indian Basin 25 Federal #2	**Section (VS) Reference:**	Well (0.00N,0.00E,184.13Azi)		
Wellpath:	VH - Job #32K0207151	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey:	02/18/07 KSRG 0'-4640'	**Start Date:**	02/18/2007
Company:	Scientific Drilling Internatio	**Engineer:**	Gonzales/Rando
Tool:	Keeper;Keeper Surface Readout	**Tied-to:**	From Surface

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.38	281.70	100.00	-0.04	0.07	-0.32	0.38	0.33	281.70
200.00	0.30	296.47	200.00	-0.19	0.25	-0.88	0.12	0.92	285.87
300.00	0.12	356.34	300.00	-0.39	0.47	-1.13	0.26	1.22	292.80
400.00	0.18	19.25	400.00	-0.65	0.73	-1.08	0.08	1.30	303.91
500.00	0.58	111.12	499.99	-0.65	0.69	-0.56	0.61	0.89	321.08
600.00	0.87	115.43	599.99	-0.23	0.19	0.59	0.30	0.62	72.43
700.00	0.89	119.54	699.97	0.38	-0.52	1.95	0.07	2.02	104.93
800.00	0.83	117.91	799.96	1.00	-1.24	3.27	0.06	3.50	110.82
900.00	0.82	126.43	899.95	1.68	-2.01	4.48	0.12	4.91	114.11
1000.00	0.82	137.07	999.94	2.55	-2.96	5.55	0.15	6.28	118.05
1100.00	0.88	146.11	1099.93	3.64	-4.12	6.46	0.15	7.66	122.50
1200.00	0.79	152.38	1199.92	4.83	-5.37	7.21	0.13	8.99	126.65
1300.00	0.77	162.59	1299.91	6.04	-6.62	7.73	0.14	10.18	130.56
1400.00	0.75	156.26	1399.90	7.25	-7.86	8.20	0.09	11.35	133.80
1500.00	0.79	162.41	1499.89	8.47	-9.11	8.67	0.09	12.58	136.44
1600.00	0.79	150.04	1599.89	9.68	-10.37	9.22	0.17	13.87	138.36
1700.00	0.73	162.66	1699.88	10.84	-11.57	9.75	0.18	15.14	139.88
1800.00	0.75	153.63	1799.87	12.00	-12.77	10.23	0.12	16.36	141.29
1900.00	0.70	157.66	1899.86	13.11	-13.92	10.76	0.07	17.59	142.30
2000.00	0.68	153.44	1999.85	14.17	-15.02	11.26	0.05	18.77	143.15
2100.00	0.67	153.48	2099.85	15.18	-16.07	11.78	0.01	19.93	143.75
2200.00	0.63	152.94	2199.84	16.15	-17.08	12.29	0.04	21.05	144.26
2300.00	0.62	159.43	2299.83	17.12	-18.08	12.73	0.07	22.11	144.84
2400.00	0.62	150.50	2399.83	18.06	-19.06	13.19	0.10	23.18	145.31
2500.00	0.56	152.94	2499.82	18.93	-19.96	13.68	0.06	24.20	145.58
2600.00	0.53	147.44	2599.82	19.72	-20.79	14.15	0.06	25.15	145.76
2700.00	0.46	152.56	2699.81	20.43	-21.54	14.59	0.08	26.01	145.89
2800.00	0.44	149.29	2799.81	21.09	-22.22	14.97	0.03	26.79	146.04
2900.00	0.40	155.94	2899.81	21.71	-22.87	15.31	0.06	27.52	146.21
3000.00	0.47	144.68	2999.81	22.34	-23.53	15.68	0.11	28.28	146.31
3100.00	0.46	150.91	3099.80	22.99	-24.21	16.12	0.05	29.09	146.35
3200.00	0.42	158.63	3199.80	23.66	-24.91	16.45	0.07	29.85	146 56
3300.00	0.49	162.60	3299.80	24.38	-25.65	16.71	0.08	30.61	146.93
3400.00	0.47	158.45	3399.79	25.15	-26.44	16.99	0.04	31.43	147.29
3500.00	0.45	178.20	3499.79	25.91	-27.22	17.15	0.16	32.17	147.79
3600.00	0.47	188.85	3599.79	26.71	-28.01	17.10	0.09	32.82	148.60
3700.00	0.48	193.92	3699.78	27.53	-28.83	16.93	0.04	33.43	149.57
3800.00	0.47	198.81	3799.78	28.34	-29.62	16.70	0 04	34.00	150.58
3900.00	0.23	187.69	3899.78	28.94	-30.21	16.54	0.25	34.44	151.29
4000.00	0.32	192.71	3999.78	29.41	-30.68	16.45	0.09	34.81	151.79
4100.00	0.14	200.81	4099.78	29.81	-31.07	16.35	0.18	35.10	152.24
4200.00	0.22	286.05	4199.78	29.89	-31.13	16.12	0 25	35.06	152.62
4300 00	0.24	296.56	4299.77	29.77	-30.98	15.75	0.05	34.76	153.05
4400.00	0.40	291.71	4399.77	29.58	-30.76	15.24	0.16	34 33	153.64
4500.00	0 40	328.47	4499.77	29.19	-30.33	14.73	0.25	33.72	154.09
4600 00	0.60	290.46	4599.77	28.76	-29.85	14.06	0.37	33.00	154.77
4640.00	0.59	290.22	4639.76	28.65	-29.71	13.68	0.02	32.71	155.28

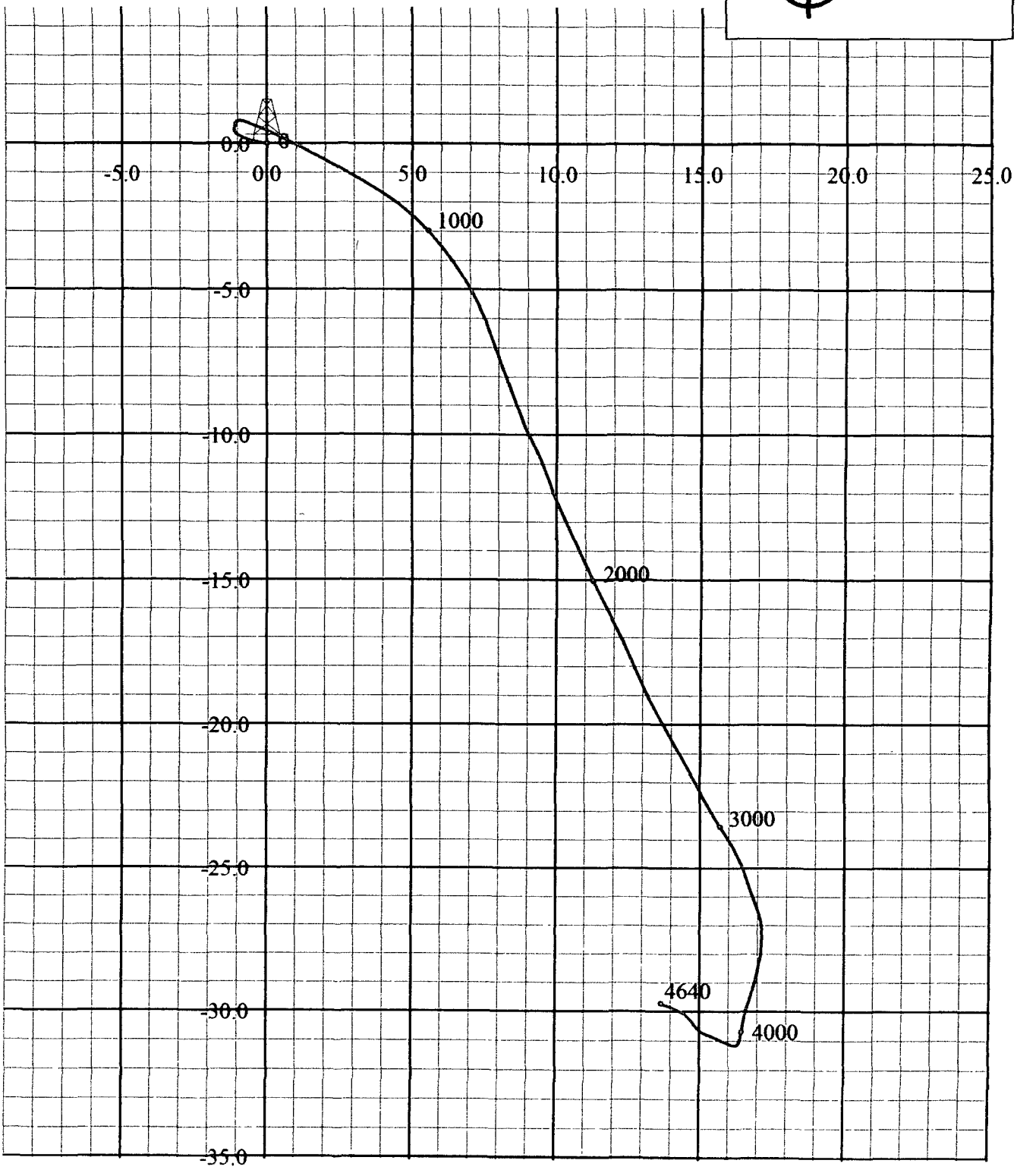
Scientific Drilling

Field: Indian Basin
Site: Eddy County, NM
Well: Indian Basin 25 Federal #2
Wellpath: VH - Job #32K0207151
Survey: 02/18/07

G/T/M

Azimuths to Grid North
True North: 0.00°
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 03/21/2007
Model: igrf2000



South(-)/North(+) [5ft/in]

West(-)/East(+) [5ft/in]

OPERATOR OCCIDENTAL PERMIAN/OXY
WELL/LEASE INDIAN BASIN 25 FED #2
COUNTY EDDY, NM

508-0097

STATE OF NEW MEXICO
DEVIATION REPORT

255	0.50
729	1.75
951	1.75
1,250	0.50
1,728	0.25
2,204	1.75
2,393	1.00
2,869	0.50
3,345	1.25
3,851	0.50
4,105	0.25
4,358	0.25

BY: _____

STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on March 27, 2007, by Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.

_____
Notary Public for Midland County, Texas
My Commission Expires: 4/08/07

JONI D. HODGES
NOTARY PUBLIC
STATE OF TEXAS
My Comm Expires 4-8-2007